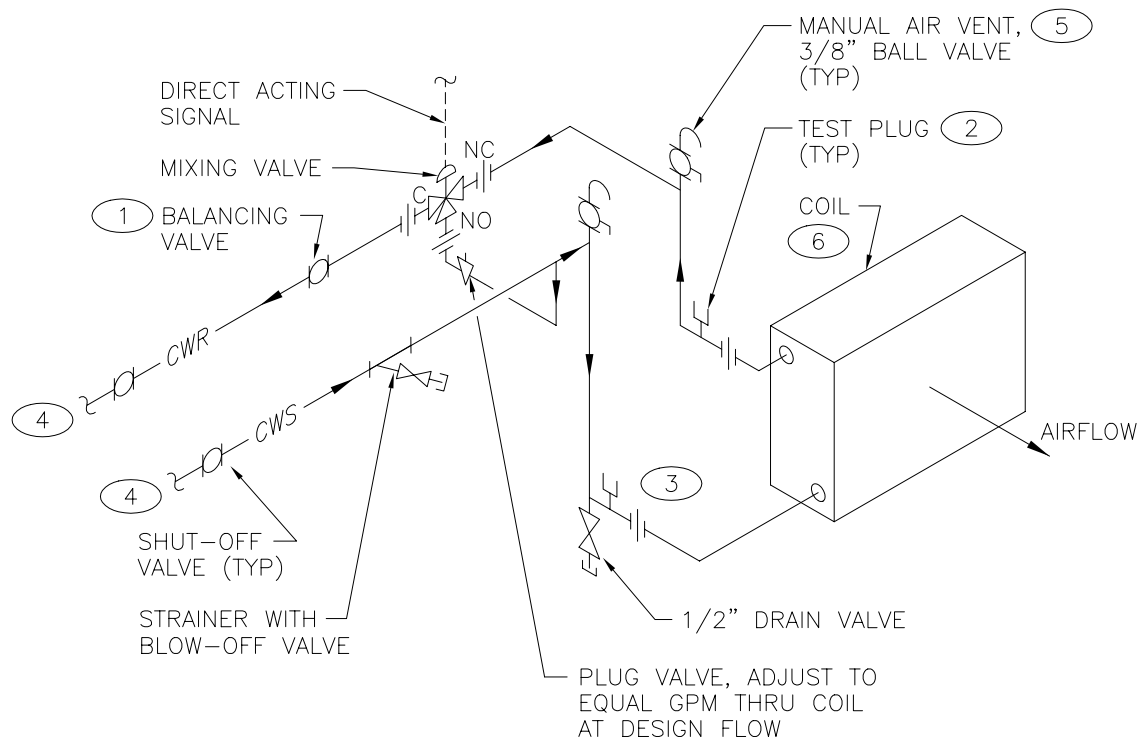


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CHILLED WATER COIL PIPING DETAIL

(VARIABLE FLOW THROUGH COIL, FAIL TO NO COOLING)

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 10 FOR STACKED COIL PIPING.
2. SEE SHEET 11 FOR DESIGN NOTES.

KEYED NOTES:

1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS:
A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
6. INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION NOTED ON COIL.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACK-AGE).

1	6-14-03	U	REVISED TO COMPLY WITH DRAFTING MANUAL, ADDED STRAINER & KEYED NOTE 6. DWG NO. WAS ST6121.	RP	AB	JM	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES				ENGINEERING STANDARDS MANUAL				
CHILLED WATER COIL PIPING DETAIL VARIABLE FLOW, FAIL TO NO COOLING				DRAWN		R. PEARSON		
				DESIGN		A. BRIDGE		
				CHECKED		G. GREWAL		
				DATE		6-28-99		
BLDG X				TA-X				
SUBMITTED				APPROVED FOR RELEASE				
DISCIPLINE: POC: GURINDER GREWAL				STANDARDS MANAGER: TOBIN ORUCH				
Los Alamos NATIONAL LABORATORY				SHEET 1				
CLASSIFICATION U				REVIEWER LARRY BAYS		DATE		1 OF 11
PROJECT ID				DRAWING NO		DATE		REV 1
CHAPTER 6				ST-D30GEN-2				